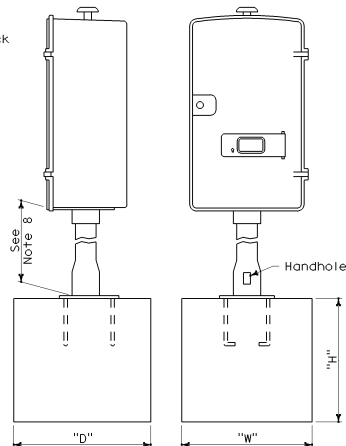
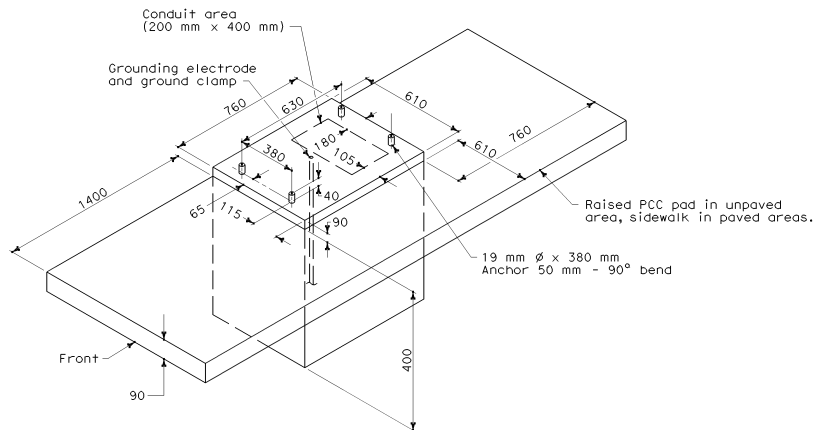


NOTES - CONTROLLER CABINETS

- Cabinet dimensions are nominal.
- Foundations shall be located to provide 600 mm minimum clearance between face of curb and any portion of cabinet.
- Type G, M, P, R, S and Model 336 cabinets shall be installed with the back toward the nearest lane of traffic.
- The controller cabinet ground bus shall be bonded to the controller equipment enclosure.
- In unpaved areas, a raised portland cement concrete pad shall be constructed in front of each controller cabinet. Pad shall be 900 mm x 900 mm x 100 mm for Type G cabinets and shall be 900 mm x 100 mm thick x width of foundation for Types M, P, R, S and Model 336 cabinets.
- In unpaved areas, the top of foundation for Type G, P, R and S cabinets shall be 150 mm above surrounding grade. Top of foundation for Type M or Model 336 cabinet shall be 460 mm above surrounding grade.
- In sidewalks and other paved areas, top of foundation for Type G cabinet shall be level with surrounding grade. Top of foundation for Type P, R and S cabinets shall be 90 mm above surrounding grade.
- The steel pedestal, base plate, bolt circle and foundation for Type G cabinet shall be the same as that shown for a Type 1-C Standard. Pedestal shall be 640 mm - 760 mm in length. Anchor bolts shall be 19 mm ϕ x 460 mm with a 50 mm - 90° bend. Four bolts required per cabinet.
- Type G cabinet shall be provided with a slipfitter to permit mounting on 114 mm outside diameter pedestal. Slipfitter shall be bolted to bottom of the cabinet.
- Type G cabinet shall be provided with 8 screened, raintight holes, 13 mm diameter or larger, in the bottom of the cabinet.
- A 25 mm drain shall be provided through the foundation of a Type M or Model 336 cabinet. Drain pipe shall be screened.
- See Table for cabinet and foundation dimensions; "D" = Depth, "H" = Height and "W" = Width.
- Cabinet shelves shall be adjustable for vertical spacing and shall be removable. Type M, P, R and S cabinets shall be provided with a minimum of two shelves.
- Anchor bolts for Type M, P, R, S and Model 336 cabinets shall be 19 mm ϕ x 460 mm with a 50 mm - 90° bend.
- An approved mastic or caulking compound shall be placed on the foundation prior to placing the cabinet to seal openings between bottom of cabinet and foundation.
- Controller units, plug-mounted equipment, shelf-mounted equipment and wall-mounted equipment shall be located to permit safe and easy removal or replacement without removing any other piece of equipment.
- Cabinet fan may be installed at an alternate location near the top of the cabinet when approved by the Engineer.
- Where telephone interconnect is required, a minimum of 130 mm clear vertical space shall be provided inside the cabinet for the equipment.
- Telephone interconnect conductors shall be enclosed in a 21C or larger conduit through the foundation. Type 4 metal conduit shall be used to separate telephone and power conductors in cabinets and pedestals.
- For Model 332, 334 and 336 cabinet details, see "Traffic signal controller equipment specifications".

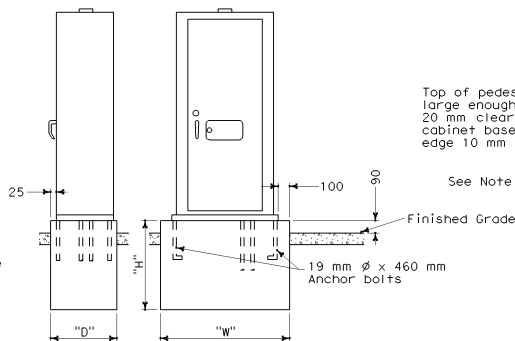


FOUNDATION FOR TYPE G CABINET

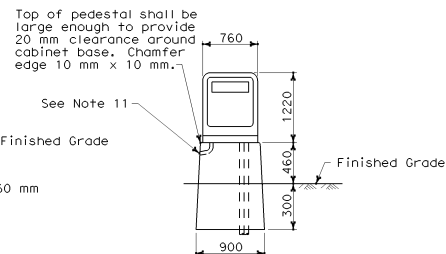


FOUNDATION DETAILS

For Model 332 and 334 cabinets



FOUNDATION FOR TYPE P, R AND S CABINETS



PEDESTAL FOUNDATION FOR TYPE M OR MODEL 336 CABINET

CABINET	FOUNDATION		
TYPE/ MODEL	H (mm)	W (mm)	D (mm)
G	900	600	600
M 336	SEE DETAIL ABOVE	SEE DETAIL ABOVE	560
P	460	1330	710
R	460	1330	710
S	460	1820	710

ELECTRICAL SYSTEMS (CONTROLLER CABINET DETAILS)

NO SCALE
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

ES-3C



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Mark V. Styer
REGISTERED ELECTRICAL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

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To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

Mark V. Styer
E13738
6-30-07
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STATE OF CALIFORNIA